

GILA RIVER BASIN

09468300 SEVENMILE WASH TRIBUTARY NEAR GLOBE, AZ

LOCATION.--Lat 33°35'10", long 110°39'00", Gila County, Hydrologic Unit 15040007, at U.S. Highway 60, 0.2 mi south of Sevenmile Wash, and 15 mi northwest of Globe.

DRAINAGE AREA.--0.83 mi².

Annual peak discharges

| Water year | Date | Annual peak discharge (ft ³ /s) | Discharge codes | Water year | Date | Annual peak discharge (ft ³ /s) | Discharge codes |
|------------|----------|--|-----------------|------------|----------|--|-----------------|
| ---- | ----- | ¹ 526 | HP | 1970 | 08-00-70 | 150 | |
| 1962 | 00-00-62 | 38 | | 1971 | 00-00-71 | 50 | LT |
| 1963 | 08-17-63 | 22 | | 1972 | 10-17-71 | 5.0 | ES |
| 1964 | 07-31-64 | 486 | | 1973 | 10-19-72 | 245 | |
| 1965 | 00-00-65 | 0 | | 1974 | 07-19-74 | 4.0 | |
| 1966 | 12-10-65 | 30 | | 1975 | 09-08-75 | 0.1 | ES |
| 1967 | 00-00-67 | 0 | | 1976 | 00-00-76 | 5.0 | ES |
| 1968 | 08-04-68 | 135 | | 1979 | 12-18-78 | ² 640 | HP |
| 1969 | 08-27-69 | 35 | | | | | |

¹Highest since 1933, year of occurrence unknown.

²Highest since 1933.

Magnitude and probability of instantaneous peak flow based on period of record 1933, 1962-76, 1979

| Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent | | | | | |
|--|----------|-------|-----|-------|-------|
| 2 | 5 | 10 | 25 | 50† | 100† |
| 50% | 20% | 10% | 4% | 2% | 1% |
| 27.3 | 134 | 295 | 660 | 1,090 | 1,690 |
| Weighted skew | (logs) = | -0.26 | | | |
| Mean | (logs) = | 1.40 | | | |
| Standard dev. | (logs) = | 0.86 | | | |

† Reliability of values in column is uncertain, and potential errors are large.

Basin characteristics

| Main channel slope (ft/mi) | Stream length (mi) | Mean basin elevation (ft) | Forested area (percent) | Soil index | Mean annual precipitation (in) | Rainfall intensity, 24-hour | |
|----------------------------|--------------------|---------------------------|-------------------------|------------|--------------------------------|-----------------------------|--------------|
| | | | | | | 2-year (in) | 50-year (in) |
| 280 | 2.0 | 4,410 | 36.0 | 3.0 | 19.0 | 2.0 | 4.0 |

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